EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

08088167

PUBLICATION DATE

02-04-96

APPLICATION DATE

20-09-94

APPLICATION NUMBER

06250120

APPLICANT: CANON INC;

INVENTOR :

MAKITA YOSHINORI:

INT.CL.

H01L 21/027 G05D 3/12 H01L 21/68 //

B23Q 15/22

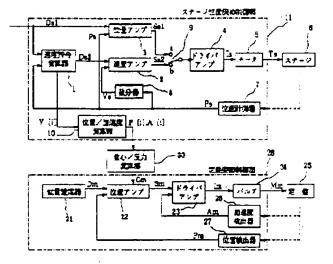
TITLE

POSITIONING CONTROL EQUIPMENT

OF MOVABLE BODY, ATTITUDE

CONTROL EQUIPMENT OF SURFACE

PLATE, AND SEMICONDUCTOR ALIGNER USING THE SAME



ABSTRACT: PURPOSE: To reduce the positioning time of a movable body, and improve positioning precision, by installing a position/acceleration forming means which forms centroid position moving information and reaction force information of the movable body according to a velocity command value, and outputs the information to an attitude control equipment of a surface plate mounting the movable body.

> CONSTITUTION: When a moving target position Ds1 is given to a stage positioning control equipment, a velocity command arithmetic part 1 obtains the position deviation between the target position Ds1 and the present position obtained by a position measuring apparatus 7, i.e., the driving amount of a stage 6. When the obtained driving amount is sufficiently large, a velocity command string Vs expressed by the form of time series is further formed, and sequentially outputted as velocity commands Ds2=Vs, at constant time intervals of Δt . A possition/acceleration arithemetic part 10 forms position information P and acceleration information A from the velocity command string Vs, and transfers the information P and the information A to an attitude control equipment 28 of a surface plate.

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